Dell™ 2209WA Flat Panel Monitor User's Guide

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Operating the Monitor

Troubleshooting

Appendix

Notes, Cautions, and Warnings

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Model 2209WAf

August 2009 Rev. A03

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About Your Monitor

Dell™ 2209WA Flat Panel Monitor User's Guide

- Package Contents
- Product Features
- Identifying Parts and Controls
- Monitor Specifications
- Plug and Play Capability
- Universal Serial Bus (USB) Interface
- LCD Monitor Quality and Pixel Policy
- Maintenance Guidelines

Package Contents

Your monitor ships with the components shown below. Ensure that you have received all the components and contact Dell if something is missing.

NOTE: Some items may be optional and may not ship with your Monitor. Some features or media may not be available in certain countries.

	• Monitor
	• Stand
	• Power Cable

	• VGA Cable (attached to the monitor)
	• DVI Cable
	• USB up stream cable (enables the USB ports on the monitor)
	• *Drivers and Documentation* media • *Quick Setup Guide* • Safety Information

Product Features

The **2209WA** flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD). The monitor features include:

■ 22-inch (573.6 mm) viewable area display (Measured diagonally) .

■ 1680 x 1050 resolution, plus full-screen support for lower resolutions.

■ Wide viewing angle to allow viewing from a sitting or standing position, or while moving from side-to-side.

■ Tilt, swivel, vertical extension and rotate adjustment capability.

■ Removable pedestal and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.

■ Plug and play capability if supported by your system.

■ Retractable label card allows convenient access to monitor serial number for technical support and easily hidden away providing label-free clean look.

■ On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.

■ Software and documentation media includes an information file (INF), Image color Matching File (ICM), and product documentation.

■ Security lock slot.

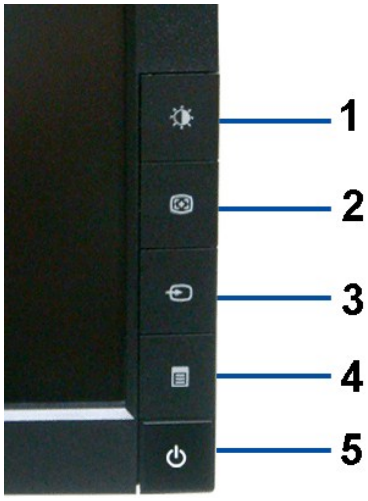
■ Asset Management Capability.

■ Capability to switch from wide aspect to standard aspect ratio while maintaining the image quality.

Identifying Parts and Controls

Front View

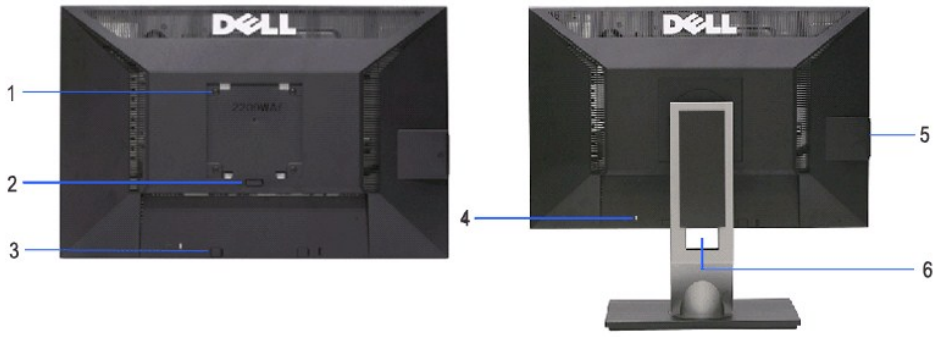
Front View



Front panel controls

Label	Description
1	Brightness & Contrast
2	Automatic adjust
3	Input source Select
4	Menu
5	Power (with power light indicator)

Back View



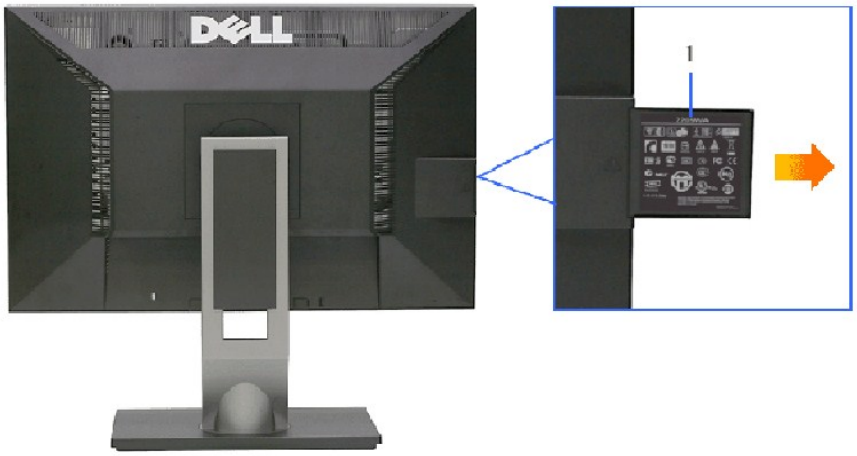
Back view

Back view with monitor stand

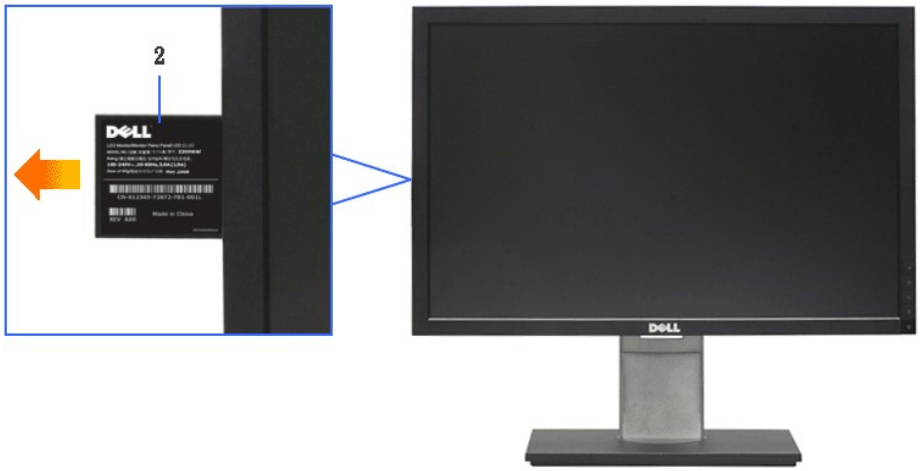
Label	Description	Use
1	VESA mounting holes (100mm x 100mm - behind attached base plate)	Wall mount monitor using VESA compatible wall mount kit (100mm x 100mm)
2	Stand removal button	Release stand from monitor.
3	Dell Soundbar mounting brackets	Attaches the optional Dell Soundbar.
4	Security lock slot	Secures monitor with security cable lock
5	Information mark	Help locating regulatory and barcode labels
6	Cable management slot	Organizes cables by placing them through the slot.

Label Card View

NOTE: Monitor shipped with label card fully inserted in USB compartment. Pull out the label card to access the barcode serial number label and regulatory rating label.



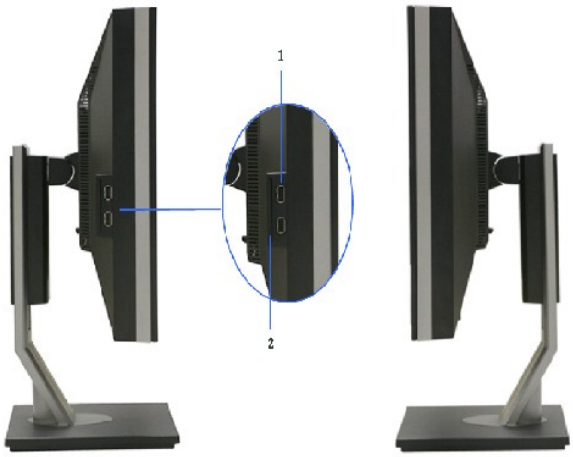
Rear View with label card pulled out



Front View with label card pulled out

Label	Description	Use
1	Regulatory label	Lists the regulatory approvals.
2	Barcode serial number label	To contact Dell for technical support.

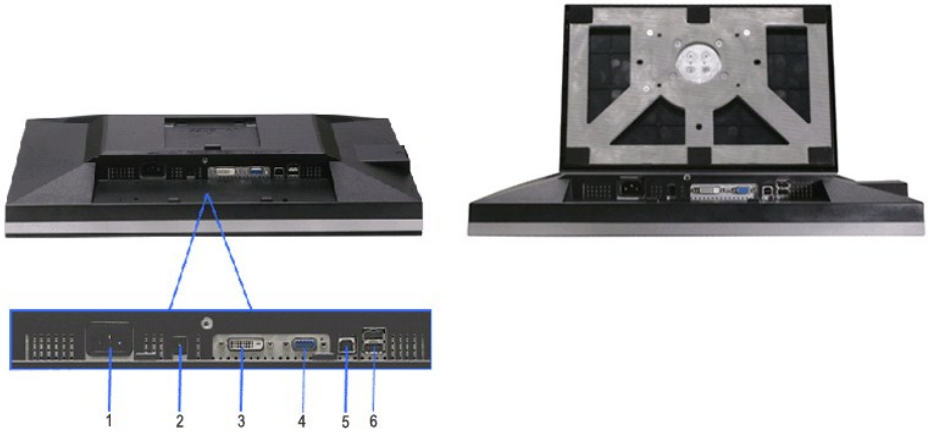
Side View



Left view **Right view**

Label	Description	Use
1	USB downstream ports	Connect your USB devices.
2	Label card	Provide clean monitor back view when reference to labels is not required.

Bottom View



Bottom view **Bottom view with monitor stand**

Label	Description	Use
1	AC power cord connector	Connect the power cable
2	DC power connector for Dell Soundbar.	Connect the power cord for the soundbar (optional)
3	DVI connector	Connect your computer DVI cable
4	VGA connector	Connect your computer VGA cable
5	USB upstream port	Connect theUSB cable that came with your monitor to the monitor and the computer. Once this cable is connected you can use the USB connectors on the side and bottom of the monitor.
6	USB downstream ports	Connect your USB devices. You can only use this connector after you have connected the USB cable to the computer and USB upstream connector on the monitor.

Monitor Specifications

Flat Panel Specifications

Screen type	Active matrix - TFT LCD
Panel type	e-IPS
Screen dimensions	22 inches (22-inch viewable image size)
Preset display area:	473.76(H)X296.1(V)
Horizontal	473.76 mm (18.7 inches)
Vertical	296.1 mm (11.7 inches)
Pixel pitch	0.282 mm
Viewing angle	178° (vertical) typical 178 ° (horizontal) typical
Luminance output	300 CD/m²(typical)
Contrast ratio	1000 to 1 (typical), 3000 to 1 (typical Dynamic Contrast On)
Faceplate coating	Antiglare with hard-coating 3H
Backlight	CCFL (6 U-lamp) direct backlight system
Response Time	6ms panel typical (Grey to Grey)
Color depth	16.7 million colors
Color Gamut	83%*

*[2209WA] color gamut (typical) is based on CIE1976 (83%) and CIE1931 (72%) test standards.

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Appendix

Dell™ 2209WA Flat Panel Monitor User's Guide

- Safety Instructions
- FCC Notice (U.S. Only) and Other Regulatory Information
- Contacting Dell

WARNING: Safety Instructions

WARNING: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.

For information on safety instructions, see the *Product Information Guide*.

FCC Notices (U.S. Only) and Other Regulatory Information

For FCC notices and other regulatory information, see the regulatory compliance website located at www.dell.com\regulatory_compliance.

Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit **support.dell.com**.
2. Verify your country or region in the **Choose A Country/Region** drop-down menu at the bottom of the page.
3. Click **Contact Us** on the left side of the page.
4. Select the appropriate service or support link based on your need.
5. Choose the method of contacting Dell that is convenient for you.

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Setting Up Your Monitor

Dell™ 2209WA Flat Panel Monitor

If you have a Dell™ desktop or a Dell™ portable computer with internet access

1. Go to **http://support.dell.com,** enter your service tag, and download the latest driver for your graphics card.

2. After installing the drivers for your Graphics Adapter, attempt to set the resolution to **1680x1050** again.

NOTE: If you are unable to set the resolution to 1680x1050, please contact Dell™ to inquire about a Graphics Adapter that supports these resolutions.

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Setting Up Your Monitor

Dell™ 2209WA Flat Panel Monitor

If you have a non Dell™ desktop, portable computer, or graphics card

1. Right-click on the desktop and click **Properties**.

2. Select the **Settings** tab.

3. Select **Advanced**.

4. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).

5. Refer to the graphic card provider website for updated driver (for example, http://www.ATI.com OR http://www.NVIDIA.com).

6. After installing the drivers for your Graphics Adapter, attempt to set the resolution to **1680X1050** again.

NOTE: If you are unable to set the resolution to 1680x1050, please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 1680x1050.

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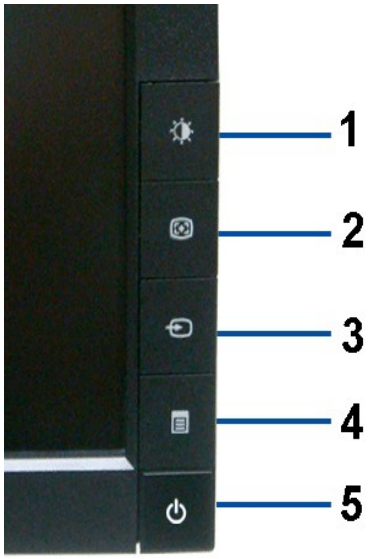
Operating the Monitor

Dell™ 2209WA Flat Panel Monitor User's Guide

- Using the Front Panel Controls
- Using the On-Screen Display (OSD) Menu
- Setting the Optimal Resolution
- Using the Dell Soundbar (Optional)
- Using the Tilt, Swivel, and Vertical Extension
- Rotating the monitor
- Adjusting the Rotation Display Settings of Your System

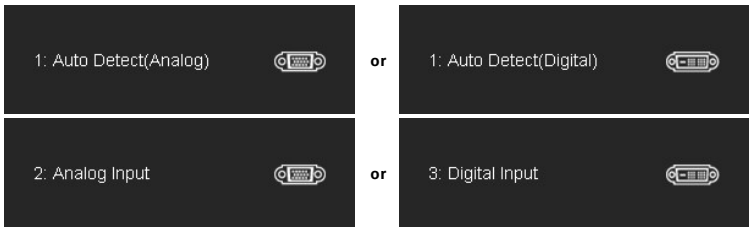
Using the Front Panel

Use the control buttons on the front of the monitor to adjust the characteristics of the image being displayed. As you use these buttons to adjust the controls, an OSD shows the numeric values of the characteristics as they change.



The following table describes the front panel buttons:

	Front panel Button	Description
1	**Brightness&Contrast**	Use this button to directly access the "Brightness/Contrast" menu or to increase the values of the selected menu option.
2	**Automatic Adjust /Adjust Up**	Use Auto Adjust to activate automatic setup/adjustment or to increase the values of the selected menu option.The following dialog appears on a black screen as the monitor self-adjusts to the current input: Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune your monitor by using the Pixel Clock (Coarse) and Phase (Fine) controls under Image Settings. **NOTE**: Auto Adjust does not occur if you press the button while there are no active video input signals or attached cables.
3	**Input Source Select/Adjust Down**	Use this button to select the input source or to decrease the values of the selected menu option. Use the Input source button to select one of the two different video signals that may be connected to your monitor: • VGA input • DVI-D input

		 If either VGA or DVI-D input is selected and both VGA and DVI-D cables are not connected, a floating dialog box as shown below appears.
4	**Menu**	Use the MENU button to launch the on-screen display (OSD) and select the OSD Menu. See Accessing the Menu System.
5	**Power (with power light indicator)**	Use the Power button to turn the monitor on and off. The Blue LED indicates the monitor is on and fully functional. An amber LED indicates DPMS power save mode.

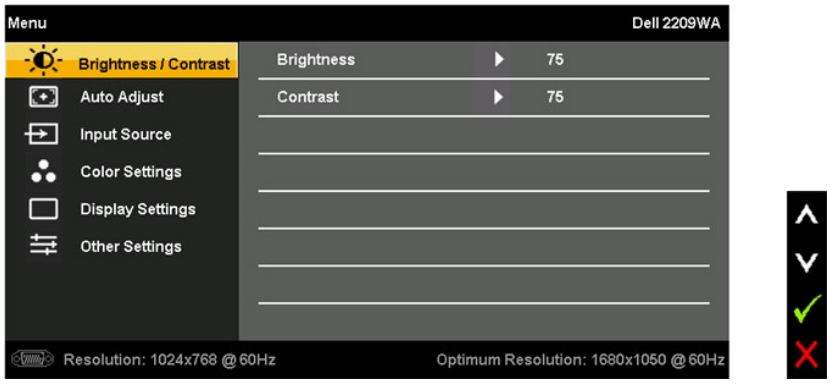
Using the On-Screen Display (OSD) Menu

Accessing the Menu System

NOTE: If you change the settings and then either proceed to another menu or exit the OSD menu, the monitor automatically saves those changes. The changes are also saved if you change the settings and then wait for the OSD menu to disappear.

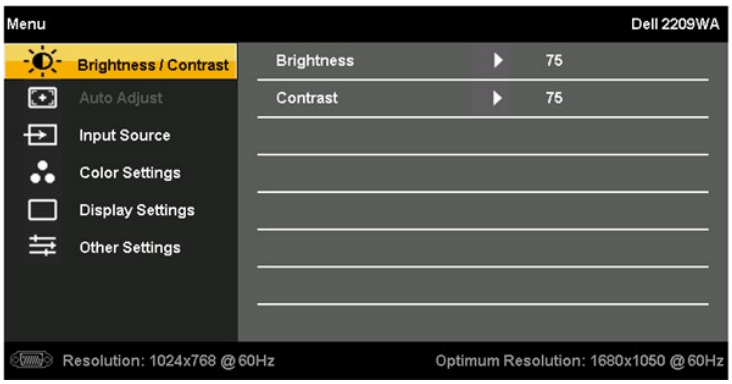
1. Push the MENU button to launch the OSD menu and display the main menu.

Main Menu for Analog (VGA) Input



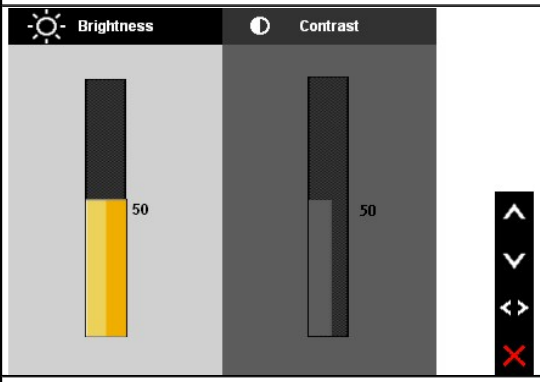
or

Main Menu for digital (DVI) Input



NOTE: AUTO ADJUST is only available when you use the analog (VGA) connector.

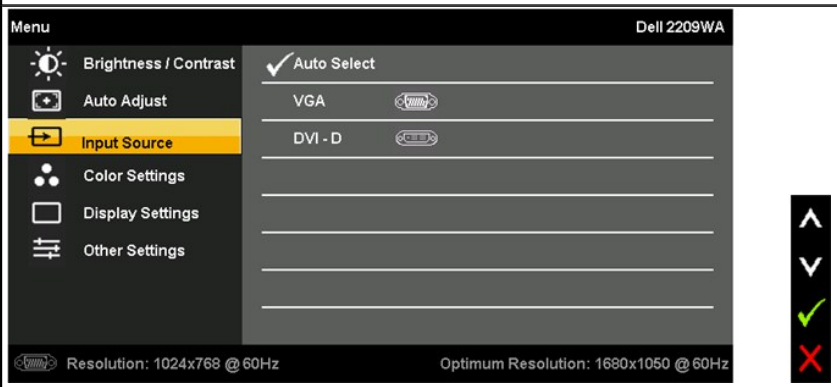
2. Push the and buttons to move between the setting options. As you move from one icon to another, the option name is highlighted. See the following table for a complete list of all the options available for the monitor.
3. Push the MENU button once to activate the highlighted option.
4. Push and button to select the desired parameter.
5. Push MENU to enter the slide bar and then use the and buttons, according to the indicators on the menu, to make your changes.
6. Select the "Menu/Exit" option to return to the main menu or exit the OSD menu.

Icon	Menu and Submenus	Description
	BRIGHTNESS & CONTRAST	Use this menu to activate Brightness/Contrast adjustment.
		
	Brightness	Brightness adjusts the luminance of the backlight. Push the button to increase brightness and push the button to decrease brightness (min 0 ~ max 100).
	Contrast	Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary. Push the button to increase contrast and push the button to decrease contrast (min 0 ~ max 100). The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen.
	AUTO ADJUST	Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display settings for use with your particular setup.

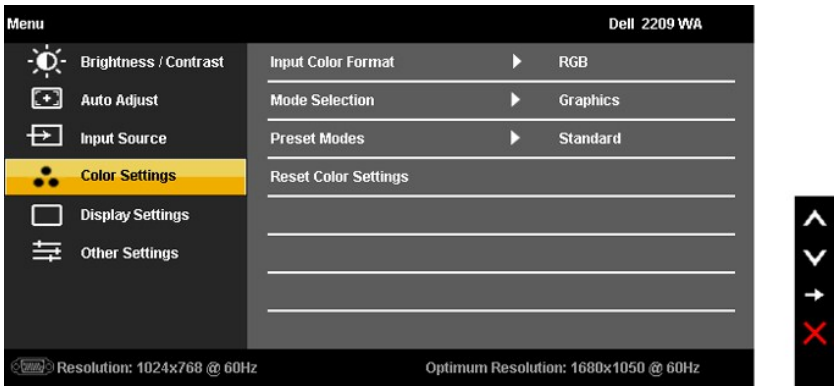
NOTE: In most cases, Auto Adjust produces the best image for your configuration.

NOTE: AUTO ADJUST option is only available when you are using the analog (VGA) connector.

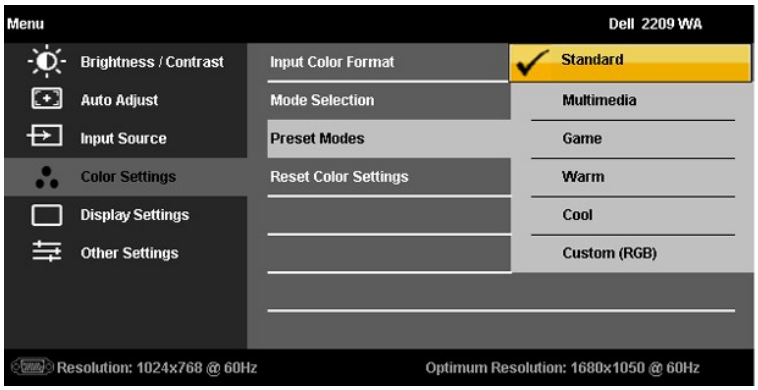
	INPUT SOURCE	Use the INPUT SOURCE menu to select between different video signals that may be connected to your monitor.



	VGA	Select VGA input when you are using the analog (VGA) connector. Push to select the VGA input source.
	DVI-D	Select DVI-D input when you are using the Digital (DVI) connector. Push to select the DVI input source.
	COLOR SETTINGS	Use the Color Settings to adjust the color setting mode and color temperature. There are different color setting sub-menus for VGA/DVI-D and Video input.

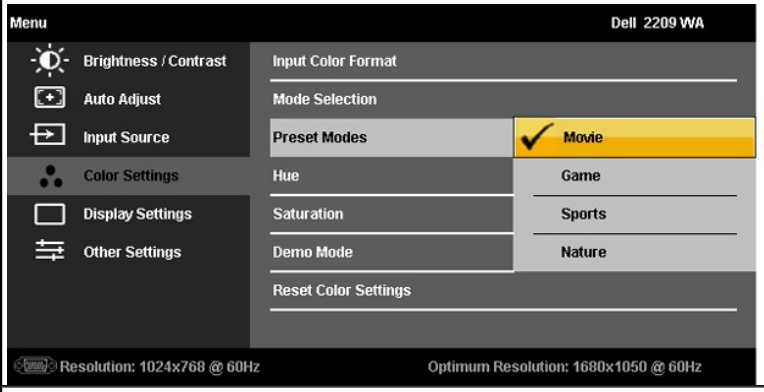


	Input Color Format	Choose the RGB option if monitor is connected to a PC or a DVD using a VGA or DVI cable. Choose the YPbPr option if monitor is connected to a DVD by a YPbPr to VGA or YPbPr to DVI cable or if the DVD color output setting is not RGB.
	Mode Selection	You can choose Graphics or Video according to the input signal. Select Graphics if connecting a PC to your monitor; for connecting DVD, STB or VCR to your monitor, Video is recommended.
	Preset Modes	When you select Graphics, you can choose Standard, Multimedia, Game, Warm, Cool, or Custom (R,G,B); • If you view media application like photo, clip etc via PC, choose "Multimedia" preset; • If you play a game in PC, choose "Gaming" preset; • If you prefer a lower color temperature (5700K), choose "Warm" preset; • If you prefer a higher color temperature, choose "Cool" preset; • Custom (R, G, B) Preset offers a range of 6500K colors; • Choose "Standard" to utilize the panel native color format; • Select Warm preset for a reddish tint. This color setting is used for color-intensive applications (photograph image editing, multimedia, movies, etc.) • Select Cool preset for a bluish tint. This color setting is used for text based applications (spreadsheets, programming, text editors, etc.) • Select Custom preset to increase or decrease each of the three colors (R, G, B) independently, in single digit increments, from 0 to 100.

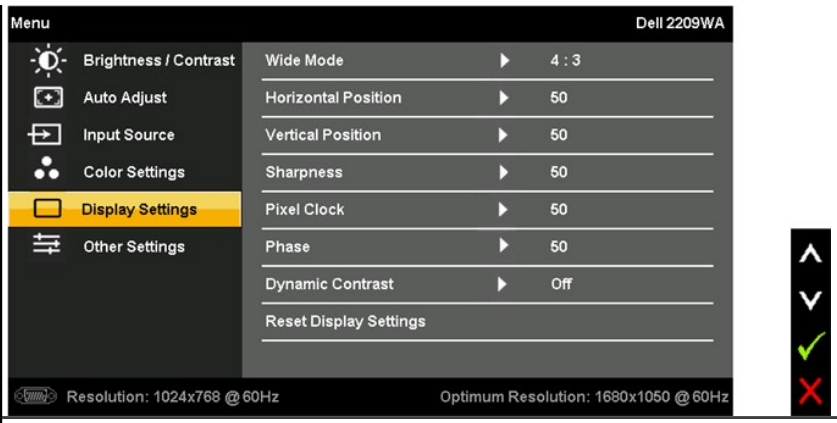
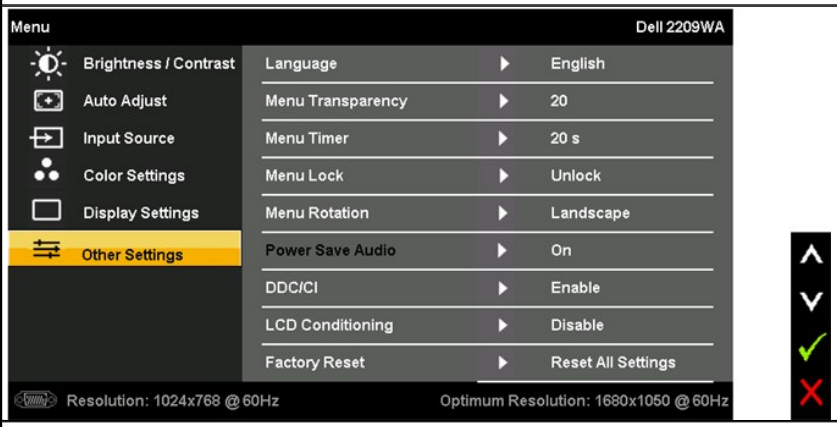


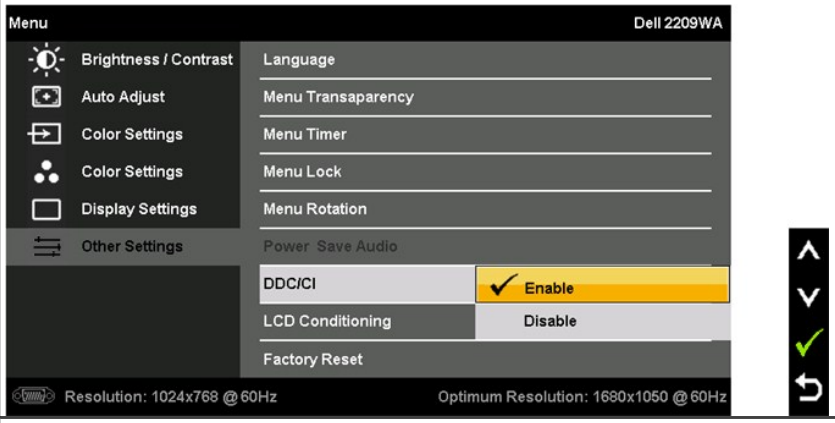
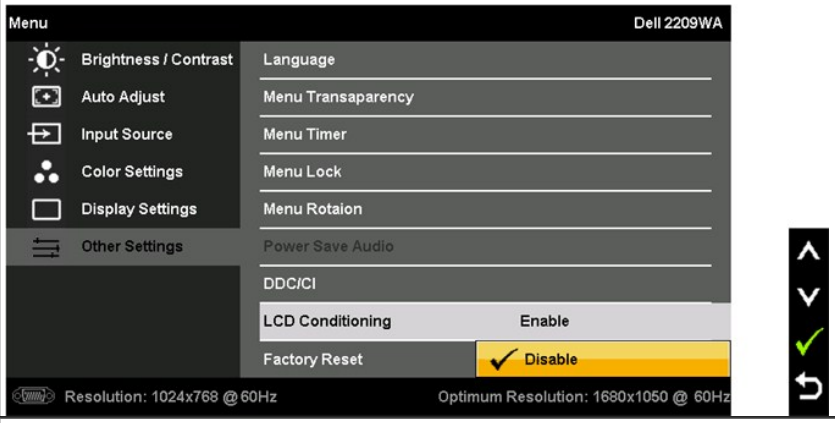
When you select Video, you can choose Movie, Game, Sports, or Nature preset:

- For playing a movie, choose "Movie" preset;
- For playing a sport program, choose "Sports" preset;
- For playing a game, choose "Game" preset;
- For general picture or web or watch TV, choose Nature preset. You can adjust the Hue(Tint)/Saturation based on your preference. If you want to restore default color settings, choose Color Reset;
- Select Color Reset preset to restore default (factory) Color settings. This setting is also the "sRGB" standard default color space.



	Hue	This feature can shift color of video image to green or purple. This is used to adjust the desired flesh tone color. Use or to adjust the hue from '0' to '100' . Push to increase the green shade of the video image Push to decrease the purple shade of the video image **NOTE:** Hue adjustment is available only for video input.
	Saturation	This feature can adjust the color saturation of the video image. Use or to adjust the saturation from '0' to '100'. Push to increase the monochrome appearance of the video image Push to decrease the colorful appearance of the video image **NOTE:** Saturation adjustment is available only for video input.
	Demo Mode	To show side-by-side the effect of color enhancement
	Reset Color Settings	Reset your monitor color settings to the factory settings.
	DISPLAY SETTINGS	Use the Display Settings to adjust image.

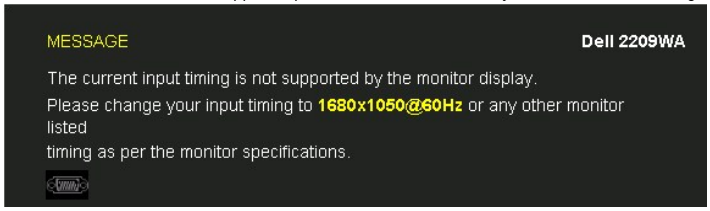
		
	Wide Mode	Adjust the image ratio as 4:3 or full screen.
	Horizontal Position	Use the or buttons to adjust image left and right. Minimum is '0' (-). Maximum is '100' (+).
	Vertical Position	Use the or buttons to adjust image up and down. Minimum is '0' (-). Maximum is '100' (+).
	Sharpness	This feature can make the image look sharper or softer. Use or to adjust the sharpness from '0' to '100'.
	Pixel Clock	The Phase and Pixel Clock adjustments allow you to adjust your monitor to your preference. These settings are accessed through th main OSD menu, by selecting 'Image Settings'. Use the or buttons to adjust for best image quality.
	Phase	If satisfactory results are not obtained using the Phase adjustment, use the Pixel Clock (coarse) adjustment and then use Phase (fine), again. **NOTE:** Pixel Clock and Phase Adjustments are only available for "VGA" input.
	Dynamic Contrast	Allows you to increase the level of contrast to provide sharper and more detailed image quality. **NOTE:** 1. DCR works only in "video mode" and in the "game" color preset. 2. The brightness functionality is disabled when DCR is activated.
	Reset Display Settings	Select this option to restore default display settings.
	OTHER SETTINGS	Select this option to adjust the settings of the OSD, such as, the languages of the OSD, the amount of time the menu remains on screen, and so on.
		
	Language	Language option to set the OSD display to one of seven languages (English, Espanol, Francais, Deutsch, Russian ,Simplified chinese or Japanese).
	Menu Transparency	Select this option to change the menu transparency by pressing or (Minimum: 0 ~ Maximum: 100).
	Menu Timer	OSD Hold Time: Sets the length of time the OSD will remain active after the last time you pressed a button. Use the or buttons to adjust the slider in 5 second increments, from 5 to 60 seconds.
	Menu Lock	Controls user access to adjustments. When 'Lock' is selected, no user adjustments are allowed. All buttons are locked except the menu button.

		NOTE: When the OSD is locked, pressing the menu button takes the user directly to the OSD settings menu, with OSD Lock selected. Select "Unlock" to unlock and allow user access to all applicable settings.
	Menu Rotation	Rotates the OSD by 90 degrees counter-clockwise. Your can adjust the menu according to your Display Rotation.
	Power Save Audio	To turn on or off Audio Power during Power Save mode.
	DDC/CI	DDC/CI (Display Data Channel/Command Interface) allows your monitor parameters (brightness, color balance etc) to be adjustable via software on your PC. You can disable this feature by selecting "Disable". Enable this feature for best user experience and optimum performance of your monitor. 
	LCD Conditioning	Helps reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run. You can enable this feature by selecting "Enable". 
	Factory Reset	Reset all OSD settings to the factory preset values.

Note: This monitor has a build-in feature to automatically calibrate the brightness to compensate for CCFL aging.

OSD Warning Messages

When the monitor does not support a particular resolution mode you will see the following message:

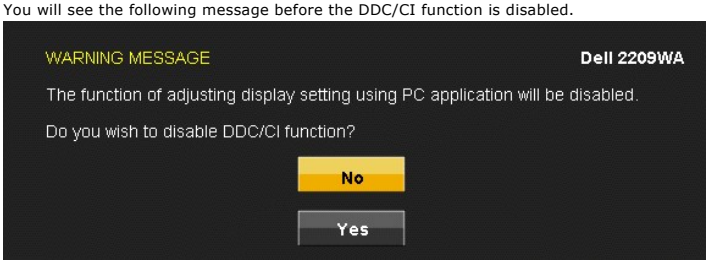


This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See Monitor Specifications for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1680 x 1050.

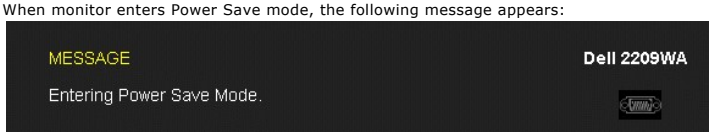
You will see the following message before the Dynamic Contrast function is disabled.

WARNING MESSAGE
Dell 2209WA
The Improvements in contrast ratio for gaming preset and video color presets will be disabled. Manual brightness is available for adjustments.
Do you wish to turn off Dynamic Contrast?
No
Yes

You will see the following message before the DDC/CI function is disabled.


WARNING MESSAGE
Dell 2209WA
The function of adjusting display setting using PC application will be disabled.
Do you wish to disable DDC/CI function?
No
Yes

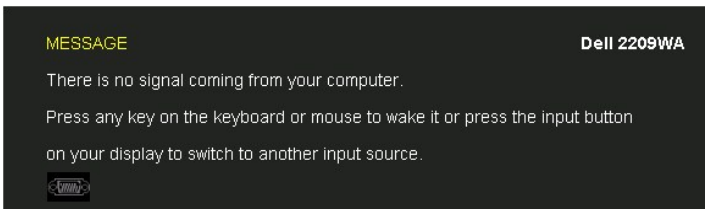
When monitor enters Power Save mode, the following message appears:



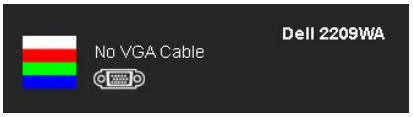
Activate the computer and wake up the monitor to gain access to the OSD

If you press any button other than the power button one of the following messages will appear depending on the selected input:

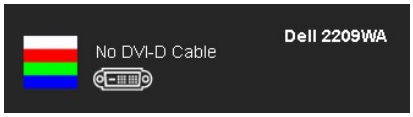
VGA/DVI-D input


MESSAGE
Dell 2209WA
There is no signal coming from your computer.
Press any key on the keyboard or mouse to wake it or press the input button
on your display to switch to another input source.

If either VGA or DVI-D input is selected and both VGA and DVI-D cables are not connected, a floating dialog box as shown below appears.



or



See Solving Problems for more information.

Setting the Optimal Resolution

To set the optimal resolution for the monitor:

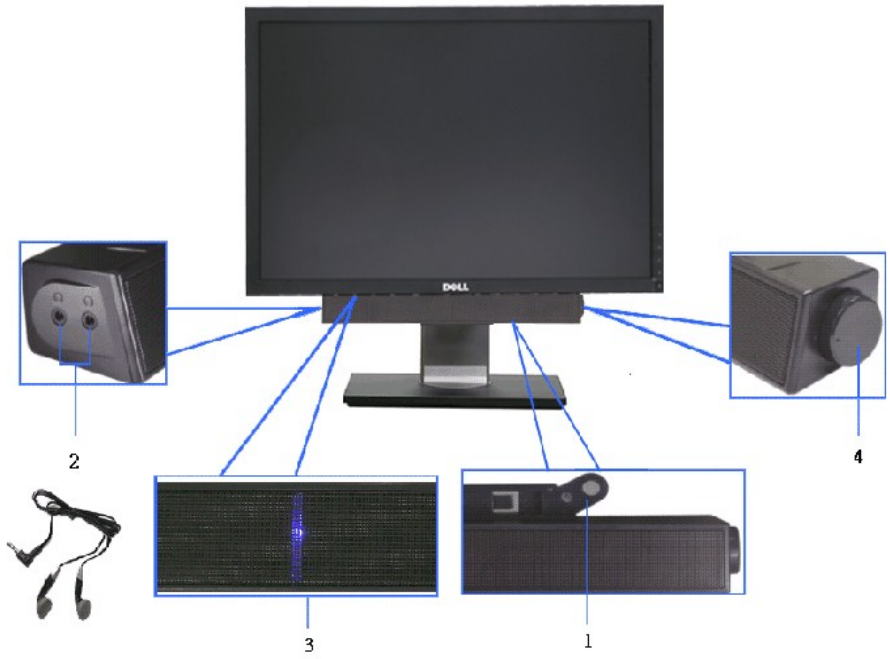
1. Right-click on the desktop and select **Properties**.
2. Select the **Settings** tab.
3. Set the screen resolution to 1680 x 1050.
4. Click **OK**.

If you do not see 1680 x 1050 as an option, you may need to update your graphics driver. Depending on your computer, complete one of the following procedures:

- If you have a Dell desktop or portable computer:
  - Go to **support.dell.com**, enter your service tag, and download the latest driver for your graphics card.
- If you are using a non-Dell computer (portable or desktop):
  - Go to the support site for your computer and download the latest graphic drivers.
  - Go to your graphics card website and download the latest graphic drivers.

Using the Dell Soundbar (Optional)

The Dell Soundbar is a stereo two channel system adaptable to mount on Dell Flat Panel Displays. The Soundbar has a rotary volume and on/off control to adjust the overall system level, a blue LED for power indication, and two audio headset jacks.

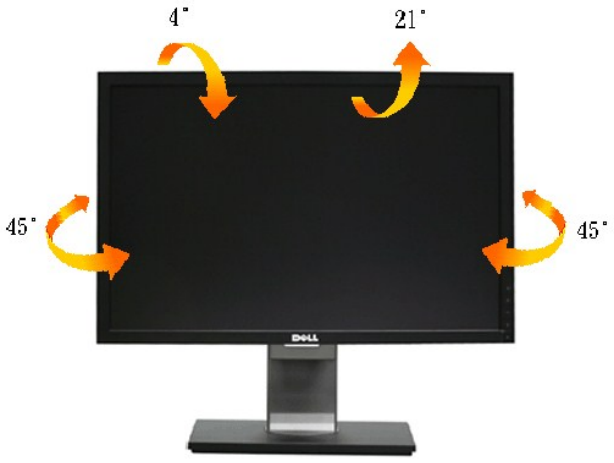


1. Attach mechanism
2. Headphone jacks
3. Power indicator
4. Power/Volume control

Using the Tilt, Swivel, and Vertical Extension

Tilt,Swivel

With the built-in pedestal, you can tilt the monitor for the most comfortable viewing angle.



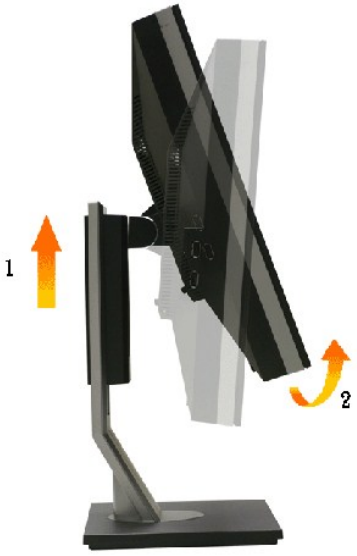
NOTE: The stand is detached and extended when the monitor is shipped from the factory.

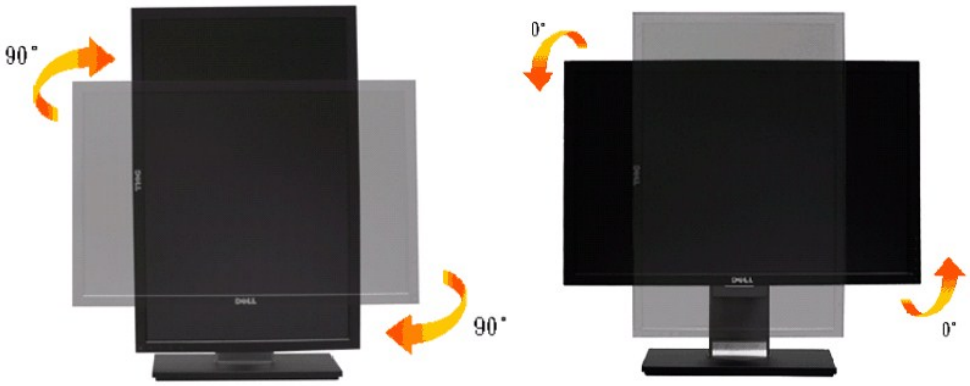
Vertical Extension

NOTE: The stand extends vertically up to 100mm. The figures below illustrate how to extend the stand vertically.

Rotating the Monitor

Before you rotate the monitor, your monitor should be fully vertically extended (Vertical Extension) and fully tilted (Tilt) up to avoid hitting the bottom edge of the monitor.





NOTE: To use the Display Rotation function (Landscape versus Portrait view) with your Dell computer, you require an updated graphics driver that is not included with this monitor. To download the graphics driver, go to **support.dell.com** and see the **Download** section for **Video Drivers** for latest driver updates.

NOTE: When in *Portrait View Mode*, you may experience performance degradation in graphic-intensive applications (3D Gaming etc.)

Adjusting the Rotation Display Settings of Your System

After you have rotated your monitor, you need to complete the procedure below to adjust the Rotation Display Settings of Your System.

NOTE: If you are using the monitor with a non-Dell computer, you need to go the graphics driver website or your computer manufacturer website for information on rotating your operating system.

To adjust the Rotation Display Settings:

1. Right-click on the desktop and click **Properties**.
2. Select the **Settings** tab and click **Advanced**.
3. If you have an ATI graphics card, select the **Rotation** tab and set the preferred rotation.
   If you have an nVidia graphics card, click the **nVidia** tab, in the left-hand column select **NVRotate**, and then select the preferred rotation.
   If you have an Intel graphics card, select the **Intel** graphics tab, click **Graphic Properties**, select the **Rotation** tab, and then set the preferred rotation.

NOTE: If you do not see the rotation option or it is not working correctly, go to **support.dell.com** and download the latest driver for your graphics card.

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Setting Up Your Monitor

Dell™ 2209WA Flat Panel Monitor

Setting the display resolution to 1680x1050 (Optimal)

For optimal display performance while using the Microsoft Windows operating systems, set the display resolution to 1680 x 1050 pixels by performing the following steps:

1. Right-click on the desktop and click **Properties**.

2. Select the **Settings** tab.

3. Move the slider-bar to the right by pressing and holding left-mouse button and adjust the screen resolution to **1680 X1050**.

4. Click **OK**.

If you do not see **1680x1050** as an option, you may need to update your graphics driver. Please choose the scenario below that best describes the computer system you are using, and follow the provided directions:

1: If you have a Dell™ desktop or a Dell™ portable computer with internet access.

2: If you have a non Dell™ desktop, portable computer, or graphics card.

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Dell™ 2209WA Flat Panel Monitor

User Guide

Setting the display resolution to 1680x1050(Optimal)

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Setting Up the Monitor

Dell™ 2209WA Flat Panel Monitor User's Guide

- Attaching the Stand
- Connecting the Monitor
- Organizing Your Cables
- Attaching the Soundbar (optional)
- Removing the Stand

Attaching the Stand

NOTE: The stand is detached when the monitor is shipped from the factory.

To attach the monitor stand:

1. Remove the cover and place the monitor on it.
2. Fit the two tabs on the upper part of the stand to the groove on the back of the monitor.
3. Press the stand till it snaps into its place.

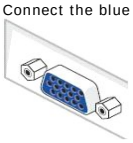
Connecting Your Monitor

WARNING: Before you begin any of the procedures in this section, follow the Safety Instructions.

To connect your monitor to the computer:

1. Turn off your computer and disconnect the power cable.

   Connect the blue (VGA) cable from your monitor to your computer.

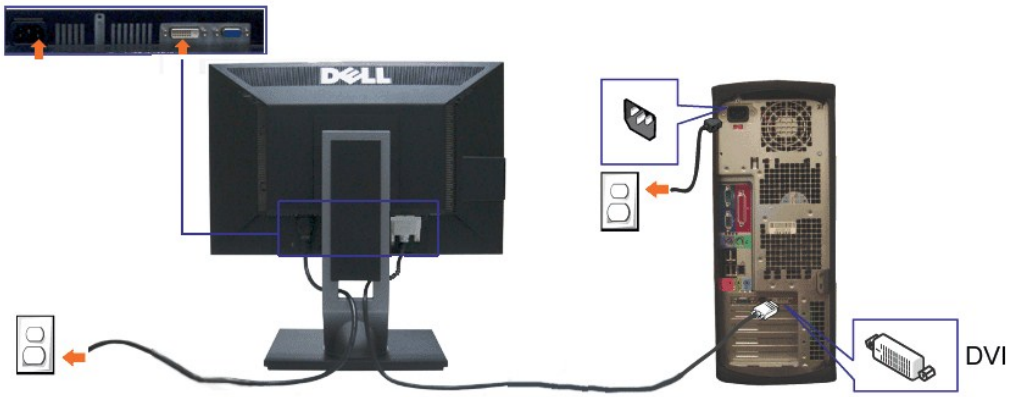


NOTE: If your computer supports a white DVI connector, unscrew and detach the blue (VGA) cable from the monitor and then connect the White DVI cable to the monitor and the white DVI connector on your computer.

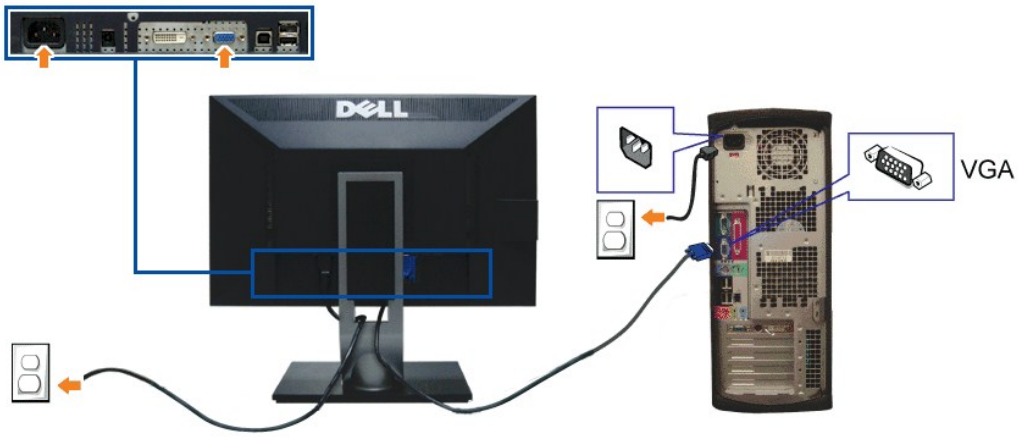
NOTE: Do not connect both the blue VGA and the White DVI cables to the computer at the same time. All monitors ship with the VGA(blue) cable attached by default.

2. Connect either the white (digital DVI-D) or the blue (analog VGA) display connector cable to the corresponding video port on the back of your computer. Do not use both cables on the same computer. Use both the cables only when they are connected to two different computers with appropriate video systems.

Connecting the white DVI cable



Connecting the blue VGA cable



NOTE: The Graphics are used for the purpose of illustration only. Appearance of the computer may vary.

Connecting the USB cable

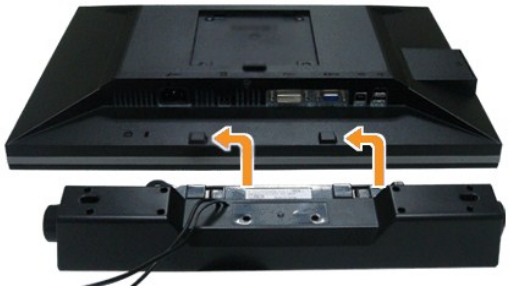
After you have completed connecting the DVI/VGA cable, follow the procedure below to connect the USB cable to the computer and complete your monitor setup:

1. Connect the upstream USB port (cable supplied) to an appropriate USB port on your computer.
2. Connect USB peripherals to the downstream USB ports (side or bottom) on the monitor. (See side or bottom view for details.)
3. Plug the power cables for your computer and monitor into a nearby outlet.
4. Turn on the monitor and the computer.
   If your monitor displays an image, installation is complete. If it does not display an image, see Solving Problems.
5. Use the cable slot on the monitor stand to organize the cables.

Organizing Your Cables

After attaching all necessary cables to your monitor and computer, (See Connecting Your Monitor for cable attachment,) use the cable management slot to organize all cables as shown above.

Attaching the Soundbar (Optional)



CAUTION: Do not use with any device other than the Dell Soundbar.

NOTE: The soundbar power connector (+12 V DC output) is for the optional Dell Soundbar only.

To attach the soundbar:

1. Working from the back of the monitor, attach the Soundbar by aligning the two slots with the two tabs along the bottom of the monitor.
2. Slide the Soundbar to the left until it snaps into place.
3. Connect the Soundbar with the DC power connector.
4. Insert the mini stereo plug from the back of the Soundbar into the computer's audio output jack.

Removing the Stand

NOTE: To prevent scratches on the LCD screen while removing the stand, ensure that the monitor is placed on a soft, clean surface

To remove the stand:

1. Place the monitor on a flat surface.
2. Press and hold the Stand release button.
3. Lift the stand up and away from the monitor.

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Troubleshooting

Dell™ 2209WA Flat Panel Monitor

- Self-Test
- Common Problems
- Product Specific Problems
- Universal Serial Bus Specific Problems
- Dell Soundbar Problems

⚠ **WARNING:** Before you begin any of the procedures in this section, follow the Safety Instructions.

Self-Test

Your monitor provides a self-test feature that allows you to check whether your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

1. Turn off both your computer and the monitor.
2. Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove both Digital (white connector) and the Analog (blue connector) cables from the back of computer.
3. Turn on the monitor.

The floating dialog box should appear on-screen (against a black background) if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains green. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through the screen.

4. This box also appears during normal system operation, if the video cable becomes disconnected or damaged.
5. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

If your monitor screen remains blank after you use the previous procedure, check your video controller and computer, because your monitor is functioning properly.

NOTE: Self test feature check is not available for S-Video, Composite, and Component video modes.

Built-in Diagnostics

Your monitor has a built-in diagnostic tool that helps you determine if the screen abnormality you are experiencing is an inherent problem with your monitor, or with your computer and video card.

NOTE: You can run the built-in diagnostics only when the video cable is unplugged and the monitor is in *self-test mode*.

To run the built-in diagnostics:

1. Ensure that the screen is clean (no dust particles on the surface of the screen).
2. Unplug the video cable(s) from the back of the computer or monitor. The monitor then goes into the self-test mode.
3. Press and hold the and buttons on the front panel, simultaneously for 2 seconds. A gray screen appears.
4. Carefully inspect the screen for abnormalities.
5. Press the button on the front panel again. The color of the screen changes to red.
6. Inspect the display for any abnormalities.
7. Repeat steps 5 and 6 to inspect the display in green, blue, and white colored screens.

The test is complete when the white screen appears. To exit, press the button again.

If you do not detect any screen abnormalities upon using the built-in diagnostic tool, the monitor is functioning properly. Check the video card and computer.

Common Problems

The following table contains general information about common monitor problems you might encounter and the possible solutions.

Common Symptoms	What You Experience	Possible Solutions
No Video/Power LED off	No picture	ı Ensure that the video cable connecting the monitor and the computer is properly connected and secure. ı Verify that the power outlet is functioning properly using any other electrical equipment. ı Ensure that the power button is depressed fully.
No Video/Power LED on	No picture or no brightness	ı Increase brightness & contrast controls via OSD. ı Perform monitor self-test feature check. ı Check for bent or broken pins in the video cable connector. ı Ensure that the correct input source is selected via the Input Source Select button. ı Run the built-in diagnostics.
Poor Focus	Picture is fuzzy, blurry, or ghosting	ı Perform Auto Adjust via OSD. ı Adjust the Phase and Pixel Clock controls via OSD. ı Eliminate video extension cables. ı Reset the monitor to Factory Settings. ı Change the video resolution to the correct aspect ration (16:10).
Shaky/Jittery Video	Wavy picture or fine movement	ı Perform Auto Adjust via OSD. ı Adjust the Phase and Pixel Clock controls via OSD. ı Reset the monitor to Factory Settings. ı Check environmental factors. ı Relocate the monitor and test in another room.
Missing Pixels	LCD screen has spots	ı Cycle power on-off. ı Pixel that is permanently off is a natural defect that can occur in LCD technology. ı Run the built-in diagnostics.
Stuck-on Pixels	LCD screen has bright spots	ı Cycle power on-off. ı Pixel that is permanently off is a natural defect that can occur in LCD technology. ı Run the built-in diagnostics.
Brightness Problems	Picture too dim or too bright	ı Reset the monitor to Factory Settings. ı Auto Adjust via OSD. ı Adjust brightness & contrast controls via OSD.
Geometric Distortion	Screen not centered correctly	ı Reset the monitor to Factory Settings. ı Auto Adjust via OSD. ı Adjust brightness & contrast controls via OSD. **NOTE:** When using '2: DVI-D', the positioning adjustments are not available.
Horizontal/Vertical Lines	Screen has one or more lines	ı Reset the monitor to Factory Settings. ı Perform Auto Adjust via OSD. ı Adjust Phase and Pixel Clock controls via OSD. ı Perform monitor self-test feature check and determine if these lines are also in self-test mode. ı Check for bent or broken pins in the video cable connector. ı Run the built-in diagnostics. **NOTE:** When using '2: DVI-D', the Pixel Clock and Phase adjustments are not available.
Synchronization Problems	Screen is scrambled or appears torn	ı Reset the monitor to Factory Settings. ı Perform Auto Adjust via OSD. ı Adjust Phase and Pixel Clock controls via OSD. ı Perform monitor self-test feature check to determine if the scrambled screen appears in self-test mode. ı Check for bent or broken pins in the video cable connector. ı Restart the computer in the *safe mode*.
Safety Related Issues	Visible signs of smoke or sparks	ı Do not perform any troubleshooting steps. ı Contact Dell immediately.
Intermittent Problems	Monitor malfunctions on & off	ı Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. ı Reset the monitor to Factory Settings. ı Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
Missing Color	Picture missing color	ı Perform monitor self-test feature check. ı Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. ı Check for bent or broken pins in the video cable connector.
Wrong Color	Picture color not good	ı Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending on the application. ı Try different Color Preset Settings in Color Settings OSD. Adjust R/G/B value in Color Settings OSD if the Color Management is turned off. ı Change the Input Color Format to PC RGB or YPbPr in the Advance Setting OSD. ı Run the built-in diagnostics.
Image retention from a static image left on the monitor for a long period of time	Faint shadow from the static image displayed appears on the screen	ı Use the Power Management feature to turn off the monitor at all times when not in use (for more information, see Power Management Modes). ı Alternatively, use a dynamically changing screensaver.

Product Specific Problems

Specific Symptoms	What You Experience	Possible Solutions

Screen image is too small	Image is centered on screen, but does not fill entire viewing area	• Check the Scaling Ratio setting in Image Setting OSD • Reset the monitor to Factory Settings.
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen	• Turn off the monitor, unplug the power cord, plug back, and then turn on the monitor.
No Input Signal when user controls are pressed	No picture, the LED light is green. When you press "+", "-" or "Menu" key, the message "No S-Video input signal", or "No Composite input signal", or "No Component input signal" appears	• Check the signal source. Ensure the Computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard. • Check to make sure Video Source to S-Video, Composite or Component is powered and playing video media. • Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary. • Reset the computer or video player.
The picture does not fill the entire screen.	The picture cannot fill the height or width of the screen	• Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. • Run the built-in diagnostics.

NOTE: When choosing DVI-D mode, the **Auto Adjust** function is not available.

Universal Serial Bus (USB) Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
USB interface is not working	USB peripherals are not working	• Check that your monitor is turned ON. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Switch off and then turn on the monitor again. • Reboot the computer. • Some USB devices like external portable HDD require higher electric current; connect the device directly to the computer system.
High Speed USB 2.0 interface is slow.	High Speed USB 2.0 peripherals working slowly or not working at all	• Check that your computer is USB 2.0-capable. • Some computers have both USB 2.0 and USB 1.1 ports. Ensure that the correct USB port is used. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Reboot the computer.

Dell™ Soundbar Problems

Common Symptoms	What You Experience	Possible Solutions
No Sound	No power to Soundbar - the power indicator is off	• Turn the Power/Volume knob on the Soundbar clockwise to the middle position; check if the power indicator (green LED) on the front of the Soundbar is illuminated. • Confirm that the power cable from the Soundbar is plugged into the adaptor.
No Sound	Soundbar has power - power indicator is on	• Plug the audio line-in cable into the computer's audio out jack. • Set all Windows volume controls to their maximum • Play some audio content on the computer (i.e. audio CD, or MP3). • Turn the Power/Volume knob on the Soundbar clockwise to a higher volume setting. • Clean and reseat the audio line-in plug. • Test the Soundbar using another audio source (i.e.portable CD player).
Distorted Sound	Computer's sound card is used as the audio source	• Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the sound card. • Set all Windows volume controls to their midpoints. • Decrease the volume of the audio application. • Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting. • Clean and reseat the audio line-in plug. • Troubleshoot the computer's sound card. • Test the Soundbar using another audio source (i.e. portable CD player, MP3 player).
Distorted Sound	Other audio source is used	• Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the audio source. • Decrease the volume of the audio source. • Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting. • Clean and reseat the audio line-in plug.
Unbalanced Sound Output	Sound from only one side of Soundbar	• Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the sound card or audio source. • Set all Windows audio balance controls (L-R) to their midpoints. • Clean and reseat the audio line-in plug. • Troubleshoot the computer's sound card. • Test the Soundbar using another audio source (i.e. portable CD player).
Low Volume	Volume is too low	• Clear any obstructions between the Soundbar and the user. • Turn the Power/Volume knob on the Soundbar clockwise to the maximum volume setting. • Set all Windows volume controls to their maximum. • Increase the volume of the audio application. • Test the Soundbar using another audio source (i.e. portable CD player, MP3 player).

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